not waste (and was not utilized in our facility) no labeling was performed.

Response #1

- 1. During the inspectors' visit to our Pulaski facility in December 2007, a Die Hard battery was observed on the floor. As was explained by our facility coordinator at the time, this battery was in fact not used by our company, but was the property of an employee who had left it on the premises temporarily. The battery has since been removed by the aforementioned employee.
- a. The battery is a used battery. It was at no point (intended for or) used in any capacity by Eastern Plating Company, Inc.
- b. The battery was stored at the Pulaski facility for 2 days, having been removed the day following the date of the inspection.
- c. The battery is a Die Hard WeatherHandler battery.
- d. Eastern Plating Company, Inc. cumulatively generates approximately two spent batteries in a typical five-year period. This consists of two vehicle batteries, one at each of our (two) facilities, for each of our two forklifts. These batteries typically take approximately 4-5 years to reach complete depletion, at which point we do not dispose of them, but immediately contact our vendor to arrange a "core exchange", wherein any disposable waste is processed and handled by our vendor.
- e. Approximately zero used batteries are generated in one year (both facilities combined). As noted, the typical life expectancy of either of the two batteries being actively used at any point by our facilities, is approximately 4-5 years.
- f. Neither our Pulaski facility nor Baylis facility handles or stores used battery waste stream. As explained above, batteries which have been exhausted are immediately processed via a core exchange. This eliminates any used battery waste storage or disposal. As a result of the immediate turn-around time of processing used batteries, no storage containers, labeling, and/or dating are necessary. Used batteries are kept intact in the forklift until our vendor arrives to perform a core exchange.
- g. There is no accumulation of any used battery waste stream at either of our facilities. Furthermore, as (our vendor who performs our core exchanges) handles any battery disposal that may be necessary, we do not ship anything off-site ourselves.
- h. As stated above, there is no used battery waste stream to be disposed of. Thus nothing is sent off-site for disposal or recycling, as our vendor removes any disposable materials at the time of the core exchange.
- i. As was noted above, neither of our two facilities store or ship any used battery (waste stream). Attachments 1a and 1b contain purchase orders for the forklift batteries.
- j. As previously explained, the battery noted at the time of inspection was not waste generated by our facility. The battery was stored at our facility for no longer than two days, at which point the employee to whom it belonged removed it. Furthermore, this battery (as was explained by the employee) is used but is not waste, as it was not entirely depleted. Because this battery was

Response # 2

- 2. We reviewed the information obtained by inspectors during their December 2007 visit to our facility.
- a. Two statements containing the word "spent" are inaccurate.
 - "Spent" to us, implies no longer usable. The lacquer saturated MEK is still usable when it is segregated for recycling.
 - The determination to segregate the MEK into a drum is based on the operator's judgment. When the dissolution time becomes unacceptable to the tending operator, the lacquer saturated MEK is transferred to the "dirty" drum.
 - We do not use analytical lab tests to make this determination. Therefore we have no supporting documentation for this.
- b. There is no "spent" MEK generated at Pulaski. Approximately 1-2 drums (55-110 gallons) of recyclable MEK are accumulated per month. We have no current production records to support this. Manifests for hauled lacquer saturated MEK in the years 2006 and 2005 support the 1-2 drums per month. These are included in attachments 2b-2g.
- c. The unit began operation in March 2007. It was installed and tested for approximately 3 months prior to operation and it was purchased in June 2006. Attached 2a contains the first production log for operation.
- d. Attachments 2b 2h contains all MEK disposal manifests from 2005 2006.

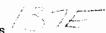
ATTACHMENT 2A

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Ramp Time:		1810	1/5	:15	
Soak Time:		1.08	4:10	:15	
Segment Time:		1:65	4.46	:30	
Total Time:		11.45	15:20	100	
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	(Red)	(Green)	WATER	WET INCHES	VOLUME

ATTACHMENT 2B

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719 (410) 537-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us



HAZARDOUS WASTE PROGRAM Please print or type. (Form designed for use on elite (12-pitch) typewriter.) HAZARDOUS WASTE MANIFEST Form Approved, OMB No. 2050-0039. 1. Generator's US EPA ID No Document No. **UNIFORM HAZARDOUS** 2. Page 1 633-4686 Information in the shaded areas **WASTE MANIFEST** <u>MDG00</u>0134 is not required by Federal law. 08299 3. Generator's Name and Mailing Address A. State Manifest Document Number Elastern Plating - Rosedaia 1108299 424-8802 and the MDE at (410) 537-3400. Nights and Holidays at (866) 1603 Pulaso hiprima. B. State Generator's ID Paumora LC 2023 4. Generator's Phone (C. State Transporter's ID 5. Transporter HWH 1492 01 US EPA ID Number 1 Company Name Transporter's Phone D. 2 Company Name US EPA ID Numbe 7. Transportert E. State Transporter's ID 9.Designated Facility Name and Site Address US EPA ID Number Transporter's Phone G. State Facility ID £ жи**оптымы** Епафияа по H. Facility's Phone ¢óã0 Saring Grove → sr Ja 2. Contai 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Total Unit Wt/Vol Waste No. Nc. Type Quantity 341 คินี เพลสเล พลุขทุกสหทุกพลเอกล, 3 เมพา เลิส์, คิเลน (เพียะ มินัย คิดอย่า a E N E A 0 inmediately call the National Response Center at (800) J. Additional Description for Materials Listed Above K. Handling Codes for Wastes Listed Above Specific Gravey Physical State Percentace المال المالية 15. Special Handling Instructions and Additional Information 16. GENERATORS CERTIFICATION: I heraby doclare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name Signature Month J 4 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Month Day Signature 18. Transporter 2 Acknowledgement of Receipt of Materials or spill, Printed/Typed Name Signature Month Day an emergency 19. Discrepancy Indication Space FACIL 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. case of Date Month Day Signature Printed/Typed Name

ATTACHMENT 2C

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ATTACHMENT 2D MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Bivd. Suite 650 Baltimore Maryland 21230-1719

(410) 537-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

137E

HAZARDOUS WASTE PROGRAM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) HAZARDOUS WASTE MANIFEST Form Approved, OMB No. 2050-0039. 1. Generator's US EPA iD No. **UNIFORM HAZARDOUS** ひりひ-4000 Information in the shaded areas **WASTE MANIFEST** is not required by Federal law. 3. Generator's Name and Mailing Address A. State Manifest Document Number Eastern Plating - Rosedala MDC trigitis at Inditionals at today 7803 Pulaski Highway B. State Generator's ID Baitimore, MD 21237 4. Generator's Phone (C. State Trapsporter's ID 5. Transporter HWH #92 1 Company Name ೮-೧೪೮೭ US EPA ID Number 10/14 DC Transporter's Phone US EPA ID Number Company Name 7. Transportert É. State Transporter's ID HWH DC 9.Designated Facility Name and Site Address 10. US EPA ID Number F. Transporter's Phone G. State Facility ID Environmental Enterorises, Inc. H. Facility's Phone 4650 Spring Grove Avenue <u> ਵਿੱਧਰਗਰਤੰਸ਼, ਦੇਸ਼ 45252</u> 14. Total Unit 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste No. Quantity 3 a. CHIEF GE P.C. Waste Methyl ethyliketone, 3, UM1193, PGH (DGB) D036 P005) ೯೭೩೨ G b. GIRL GIR WILL ε O В K. Handling Codes for Wastes Listed Above J. Additional Descriptions for Materials Listed Above 05.06569-15. Special Handling Instructions and Additional Information Emergency Response Coordinator, (300) 092-1509 and oat 911 £55 11 a. X44351 2 ERO# 107 16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. if I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment. OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to merand that I can afford. Printed/Typed Name Signature Month Day E-DIMOZA 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature 23/100 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Month Day 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date Month Day Printed/Typed Name Signature

ATTACHMENT 2E

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 - Baltimore Maryland 21230-1719 (410) 537-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

137E

HAZARDOUS WASTE PROGRAM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) HAZARDOUS WASTE MANIFEST Form Approved, OMB No. 2050-0039.

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MARYLAND DEPARTMENT OF THE ENVIRONMENT

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1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719 (410) 537-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

HAZARDOUS WASTE PROGRAM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) HAZARDOUS WASTE MANIFEST Form Approved. OMB No. 2050-0039.

WASTE MANIFEST	1 Generator's US EPA ID No.	Document No.	2. Page	1 11105		e shaded areas y Federal law.
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ATTACHMENT

MARYLAND DEPARTMENT OF THE ENVIRONMENT

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Response # 3
are exclusively treated and reclaimed/recycled on-site at our facilities.

Response #3

- 3. During their December 2007 visit to our Pulaski facility, inspectors observed (eight) 55-gallon MEK storage drums near our MEK station.
- a. Several drums contained "dirty" MEK. For the drums containing "dirty" MEK, the process is below: Many customers' parts require selective anodizing where not all of the surfaces require anodize. A lacquer, Miccroshield, is applied to mask these surfaces. The lacquer dries on the parts prior to anodize. After anodizing the parts are immersed in a series of parts cleaning tanks containing MEK. The first tank contains "dirty" MEK which has dissolved Miccroshield. The parts are moved to successively "cleaner" MEK tanks with the final MEK tank containing no Miccroshield.

Several drums contained "clean" MEK. For the "clean" MEK, the process is below:

The immersion of the parts results in gradual increase in Miccroshield concentration, decreasing the effectiveness of the MEK. At the point in which Miccroshield removal can no longer be achieved in a reasonable amount of time, the MEK is considered "dirty". It is then pumped into these 55-gallon drums for storage, until it can be reclaimed via a distillation process in our MEK recycling unit. Because of the nature of the reclamation process (consisting of 4 stages of heating and cooling for each batch- (3 – 5 batches is typical per 55-gallon drum) taking approximately 7 hours, with an optimal cool-down time of 2 hours), it is normally performed once a sufficient accumulation of the "dirty" MEK has occurred.

- b. Of the eight drums observed during the inspectors' visit:
- one drum (labeled "clean") was empty
- one drum (labeled "clean") was full containing reclaimed MEK
- four full drums contained dirty MEK awaiting recycling
- · two partially full drums of dirty MEK were used for more accumulation

The contents were verified by internal evaluation.

- c. Because these materials are considered "in-process"- that is, actively added to or reclaimed, no logs are maintained. We estimate accumulation of these batches began in November 2007. Additionally, the recycled "clean" MEK was reclaimed in November 2007, at which point the most recent accumulation of "dirty" MEK began.
- d. Attached please find MSDS for MEK and Miccroshield, the two components of these drums (see attachment no. 3a & 3b).
- e. The solutions stored in these drums are in-process, not waste.
- f. As noted, these materials were not determined to be waste, as they are reclaimable and actively recycled.
- g. As noted, these materials were not determined to be waste, hazardous or otherwise. These materials are considered in-process materials. Furthermore, even after reaching the point of inefficiency wherein they are no longer desirable for high-volume use, these materials (even pre-reclamation/recycling) are still viable, provided an extended period of submersion is allowed to remove the Miccroshield.
- h. As mentioned previously, these materials are not only in-process (actively moving in and out of drums as needed either for reclamation or direct reuse), but are additionally still viable for use if prolonged submersion is allowed. Thus, no determination was made as the solutions are not considered to be waste.
- i. Eastern Plating Company, Inc. recycles all used MEK as a part of our policy of waste minimization and environmental responsibility. The materials stored in these drums is recycled on-site. These materials are at no point shipped off-site for any storage, recycling, or disposal.
- j. Pursuant to our policy of waste minimization, these materials are no longer (as noted above) at any point shipped off-site for any storage, recycling, or disposal, as of March 2007.
- k. Per previous responses, no bills, manifests, shipping invoices, and LDR notices are available, as these materials

ATTACHMENT 3A

MATERIAL SAFETY DATA SHEET

ExxonMobil Chemical Company
A Division of Exxon Mobil Corporation

DATE PREPARED: JUL 1, 2005 MSDS NO: 92050000

METHYL ETHYL KETONE

PRODUCT NAME Methyl Ethy Kets	(p.)		
CHEMICAL NAME.			
Modern Ho			1 1 1 1
CHEMICAL FAMILY:			
18 Vent			
PRODUCT DESCRIPTION:			
	is they in		
CONTACT ADDRESS. The Matrix Dominion Computer of the State Computer of the Co			
** EMERGENCY TRUPPRONE N	AUMBERS. (24 HOWER)	• A	
** CHEMTREC	(803) 424 -9305 Commany (809: 716-2015		

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

SECTION 3 HAZARDS IDENTIFICATION

274.7E

ExxonMobil Chemical Company A Division of Exxon Mobil Corporation

DATE PREPARED: JUL 1, 2005 MSDS NO.: 92050000

METHY, ETHYL KETONE

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POTENTIAL HEALTH EFFECTS

EYE CONTACT:

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SKIN CONTACT

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CHRONIC EFFECTS

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SECTION 4 FIRST AID MEASURES

EYE CONTACT:

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SKIN CONTACT:

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ExxonMobil Chemical Company A Division of Exxon Mobil Corporation

OATE PREPARED: JUL 1, 2005 MSDS NO.: 92050000

METHYL ETHYL KETONE

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INHALATION:

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INGESTION

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SECTION 5 FIRE-FIGHTING MEASURES

FLASH POINT 25 Deg 6 METHOD ICC ASTMICES NOTE TOO ICC IMCC. 41

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FLAMMABLE LIMITS: LEL. 1.8 UEL. 11.5 @ 77 (Neg F.

AUTOIGNITION TEMP . 966 Deg F

GENERAL HAZARD

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DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS

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SECTION 6 ACCIDENTAL RELEASE MEASURES

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ExxonMobil Chemical Company A Division of Exxon Mobil Corporation

DATE PREPARED: JUL 1, 2005 MSDS NO. 92050000

METHYL ETHYL KETONE

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LAND SPILL

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rannounce: he have at dispersal despetations.

WATER SPILL

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subult as expect on dispersion of recovered material and ensors concerning Tabal daspersel remarks some

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SECTION 7 STORAGE AND HANDLING

ELECTRUSTATIC ACCUMULATION HAZARD

the not use proper and by mover granting providing.

STORAGE TEMPERATURE Deg F.

Art. ord

LOADING/UNLOADING TEMPERATURE Deg F.

But their

STORAGE/TRANSPORT PRESSURE

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LOADING/UNLOADING VISCOSITY 68°

STORAGE AND HANDLING:

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ExxonMobil Chemical Company A Division of Exxon Mobil Corporation

DATE PREPARED: JUL 1, 2005 MSDS NO.: 92050000

METHYL ETHYL KETONE

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containers need contain product rougher to be tell reuse empty containers
contain research of contain ar reconditionance

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

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PERSONAL PROTECTION

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Where consentuations in our may record the limits given a time Equipment of engineering work precise or other manners exposure reduction, are not expensive. SIGMS approved requirative may be recordary to prevent of Pressence in additional time.

WORKPLACE EXPOSURE GUIDELINES

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

SPECIFIC GRAVITY at Deg F: VAPOR PRESSURE, mmHg at Deg F:

0 81 at 68 82 508 at 75 172,517 at 100

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S. 11. 1500

ExxonMobil Chemical Company A Division of Exxon Mobil Corporation

DATE PREPARED: JUL 1, 2005 MSDS NO 92050000

METHYL ETHYL KETONE

SOLUBILITY IN WATER, wt. % at Deg F.
VISCOSITY OF LIQUID, oSt at Deg F:
SP. GRAV. OF VAPOR, at 1 atm (Airw1):
FREEZING/MELTING POINT, Deg F:

EVAPORATION RATE, n-Bu Acotale=1:

BOILING POINT, Deg F:

26 30 at 68

อ 5 at 68 Greater than 1 00

Less Than 32

6.0

175 to 177

SECTION 10 STABILITY AND REACTIVITY

STABILITY:

Laters

CONDITIONS TO AVOID INSTABILITY:

The Applicable

HAZARDOUS POLYMERIZATION:

William Property

CONDITIONS TO AVOID HAZARDOUS POLYMERIZATION

the Apparearie

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:

Theories, amilies, alkanolamines, aldebydes, ammonia, strong exidizios aperto, and objeticated compounds

HAZARDOUS DECOMPOSITION PRODUCTS:

1407.63

SECTION 11 TOXICOLOGICAL INFORMATION

Figure rates to seed or λ for any table infigures or an potential meters of the ϵ .

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Page

ExxonMobil Chemical Company A Division of Exxon Mobil Corporation

DATE PREPARED JUL 1 2005 MSUS NO.: 92950000

METHYL ETHYL KETONE

SECTION 12 ECOLOGICAL INFORMATION

If specify because a_{ij} data for and finite the this product, element where is continued for information removables and Section In terms a_{ij} and a_{ij} for the data a_{ij}

SECTION 13 DISPOSAL CONSIDERATIONS

figure report to sent Arms by a said 11 year displays and regulatory saferantish.

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SECTION 14 TRANSPORT INFORMATION

DEPARTMENT OF TRANSPORTATION (DOTE:

THE RESIDENCE TOTALS MESSAGE STATE SERVICES IN LIFE TO

SECTION 15 REGULATORY INFORMATION

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CERCLA

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ExxonMobil Chemical Company A Division of Exxon Mobil Corporation

DATE PREPARED JUL 1, 2005 MSDS NO.: 92050000

METHYL ETHYL KETONE

Note introduction may be subject to the provisions of the Community that for the Community that in the Pepcin of Requirements (0) (18 > 10) of threshold quantity Police and the Peli

the system of the most contain Section of the pertodic impredients

SECTION 16 OTHER INFORMATION

HAZARD RATING SYSTEMS

This information is for people trained in This will Paint a Countries Ammortation's SPIA: Haraidean Materia - Inentitation System HMTS! task the Store From Association (NEER 194) present the firm of the Fire Haverds of Materials

	NPCA-HMIS	NFPA 704	KEY	
HEALTH	2	1	4 Sewe	,
FLAMMA	BILITY 3	3	3	Serous
REACTIV	ITY 0	0	9.	Morte-ate
			;	Slight
			6 =	Min mai

FROM BY LIMIN ESTANGE AND BASES OF A 3-4 cacing scale with 1 recipes a the minimum backets of risks, and 4 representing algorithment becomes the risks. Secondarided SMIS recipies should not be involved that accounts I a Filly implemented EMIS backets communication program.

REVISION SUMMARY:

Since April 1, . Note this Model has been believed in Section by

REFERENCE NUMBER: 4DHA-C-00025

SUPERSEDES ISSUE DATE. April 1, 2000

The compound of the company of the contract of

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This information delates to the openits substial designated and may not to court this information delates to conduct the math and other memorials of the substial but have edge and set of the substial of our knowledge and set of intuition of the fate compiled. Reserved to be appreciately, as supplementable of the fate compiled. Reserved this is completely, a supplementable of the fate compiled out to the substiality of completely, a first the continuous substiality of compiler ends.

ExxonMobil Chemical Company
A Division of Exxon Mobil Corporation

DATE PREPARED, JUL 1, 2005 MSDS NO.: 92050000

METHYL ETHYL KETONE

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ATTACHMENT 3B

MATERIAL SAFETY DATA SHEET - 16 Sections

Product Identifier				[WHMIS CI	assification]	
MIccroshield						
Product Use						
Plating						
Manufacturer's Name			Supplier's Name			
Tolber Chemical Divis	sion		Tolber Chemica	l Division		
Street Address			Street Address			
220 West 5 th Street			220 West 5 th Str	reet		
City		Province	City			Province
Hope		Arkansas	Норе			Arkansas
Postal Code	Emergency	Telephone	Postal Code		Emergency	Telephone
71801	800-424-9	300	71801		800-424-9	9300
Date MSDS Prepared 08/09/07		MSDS Prepared by Linda Rogers		Phone N 870-77		

SECTION 2 – COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients (specific)	%	CAS Number	LD50 of Ingredient (specify species and route)	LC50 of Ingredient (specify species)
Toluene	40-50	108-88-3		
Methyl Ethyl Ketone	5-15	78-93-3	4050mg/kg	40mg/m3/2hr inhalation mouse
			or at mouse	milatation mouse
Tetrahydrofuran	15-25	109-99-9	4500mg/kg	18000 ppm/m3/4hr
			oral rat	inhalation rat
Propylene Oxide	0.5-1.5	75-56-9	380 mg/kg	4000 ppm/m3/4hr
			oral rat	inhalation rat

SECTION 3 - HAZARDS IDENTIFICATION

Route of Entry					
	X Skin Contact	X Skin Absorption	X Eye Contact	X Inhalation	X Ingestion
[Emergency Overvi	ew] Dizziness, Nausea, S	Shortness of Breath.			
[WHMIS Symbols]	Health3 Fire Ha	zard3 Reactivity	0 Personal Protect	tionX	
NFPA	Health3 Fire I	Hazard3 Reactivity	0 Personal Pro	tectionX	
[Potential Health Eff Skin Contact- Irri		matitus Possible. Eye (Contact-Vapors may	/ irritate eye, liqu	aid and mist may severely
irritate or damage	the eye.				
Inhalation- Dizzi	iness, Nausea, Headac	he, Fatigue & Weakne	SS		
Ingestion- Irritation	on, Nausea, Vomiting.				

SECTION 4 - FIRST AID MEASURES

Skin Contact-Flush with plenty of water.	
Eye Contact-Flush with water. Get medical aid immediately.	
Ingestion- Do not induce vomiting-Consult a physician immediately	
Inhalation-remove to fresh air.	

Product Identifier						
Miccroshield						
SECTION 5 - FIRE FIGHTI	NG MEAS	URES				
Flammability	s 🗆 No	If yes, under which c Exposure to flame		ıt		
Means of Extinction	, L INU	Exposure to frame.	, sparks, nigh nea	16.		
CO2 Dry Chemical						
Flashpoint (°C) and Method -1.1C; 30F TCC		Upper Flammable Lin	mit (% by volume)	Lower I	Flammable Limit /%	by volume)
Autoignition Temperature (°C) 65 C		Explosion Data – Ser	nsitivity to Impact	Explosio	on Data – Sensitivity to	o Static Discharge
Hazardous Combustion Products Carbon Monoxide	5					
[NFPA]						
CECTION C. ACCIDENTA	L DELEAS	E MEACURES				
SECTION 6 – ACCIDENTA Leak and Spill Procedures	L KELEAS	E MEASURES				
Remove ignition sources, soal	k up with ab	sorbent material.				
Dispose of in accordance with	h EPA, State	e, and Local Regula	ations.			
SECTION 7 - HANDLING		AGE				
Handling Procedures and Equipm Respiratory Protection-Use a		oved respirator. Ver	ntilation-Local Ex	xhaust, Mech	ianical.	
						Calast Constan
Protective Clothing-Long Slee	eve Shirt, 11	rousers, Safety Sno	es, & Solvent Kes	istant Gioves	Eye Protection-	Spiash Goggies.
Storage Requirements Flammable- Store in cool, dry	v area. Keep	containers tightly	closed. Wash han	d with soap a	and water before I	handling food.
SECTION 8 - EXPOSURE	CONTROL	PERSONAL PRO	TECTION			
Exposure Limits				150,,,,,,	Other (specif	C-) NID
Specific Engineering Controls (su		H TLV 150ppm n, enclosed process)	OSHA PEL	ТЭОРРІП	Other (specif	y) ND
		-				
See section 7						
Personal Protective Equipment	T					
	X Gloves	X Respirator	X Eye X	K Footwear	X Clothing	☐ Other
If checked, specify type						
				, , , , , , , , , , , , , , , , , , , ,		
1						

Product Identifier			
SECTION 9 - PHYSICAL AND CHE	MICAL PROPERTIE		
Physical State	Odour and Appearance		Odour Threshold (ppm)
Liquid Specific Gravity	Ketone Vapour Density (air =	1)	Vapour Pressure (mmHg)
0.95	2.9 (Air=1)		ND
Evaporation Rate 3.5 (Butyl Acetate=1)	Boiling Point (°C) @760 mm Hg 19	94F	Freezing Point (°C)
pH	Coefficient of Water/C		[Solubility in Water)
ND	ND		Not Soluble
SECTION 10 - STABILITY AND RE	ACTIVITY		
Chemical Stability X Yes	If no, under which cor	nditions?	
Incompatibility with Other Substances	If yes, which ones?		
X Yes □ No	Strong Oxidizing A	gents	
Reactivity, and under what conditions? Strong oxidizing Agents.			
Avoid contact-do not store near flame,s	parks,or high heat sou	rces.	
Hazardous Decomposition Products			
Thermal Decomposition May Liberate (Carbon Monoxide and	Carbon Dioxide.	
SECTION 11 - TOXICOLOGICAL IN	FORMATION		
Effects of Acute Exposure			
Con Continue 2			
See Section -3			
Effects of Chronic Exposure			
Dizziness, Nausea, Shortness of Breath	.,		
Dizzniess, ivausca, Shortness of Dicam	•		
Irritancy of Product			
Skin Sensitization irritation,defatting, derma	titis possib le	Respiratory Sensi May cause dizzi	tization iness-extended exposure
Carcinogenicity - IARC		Carcinogenicity -	
Reproductive Toxicity ND		Teratogenicity ND	
Embryotoxicity ND		Mutagenicity ND	
Name of Synergistic Products/Effects ND			

٠,

SECTION 12 – ECOLOGICAL INFORMATION [Aquatic Toxicity] ND		
	1	
PECTION 42 DISPOSAL CONSIDERATIONS		
SECTION 13 - DISPOSAL CONSIDERATIONS Waste Disposal Chemical waste generators must determine	whether a discarded chemical is classified as a ha	zardous waste.
US EPA guidelines for the classification determination	are listed in 40CFR. Additionally, waste ger	nerators must consult
State and local hazardous waste regulation to ensure co	omplete and accurate classification.	
RCRA P-Series None Listed		
	(ionitable wante touis wests)	
RCRA U-Series CAS# 78-93-3: waste number U159;	-ignitable waste, toxic waste).	
SECTION 14 - TRANSPORT INFORMATION		
Special Shipping Information		
Flammable Liquid		PIN
TDG	[DOT] Classification-UN1263 Paint Class Flammable Liquid	s 3 PG II
[IMO] UN 1263 Paint Class 3 PG II Flammable Liquid	[ICAO] Classification- UN1263 Paint Clas	s 3 PG II
SECTION 15 - REGULATORY INFORMATION		
[WHMIS CLASSIFICATION]	[OSHA]	
[SERA]	[TSCA]	
This was don't be a few start of the		
i nis product nas been classified Controlled Products Regulations (CPR) and i	l in accordance with the hazard criteria of t the MSDS contains all of the information re	
SECTION 16 - OTHER INFORMATION		
TO THE TO THE PROPERTY OF THE	information in this document should NOT be	a a maidamad all

Due to changing nature of regulatory requirements, the information in this document should NOT be considered all

Inclusive or authoritative. Users Should make their own investigation to determine the suitability of the information

For their particular purposes. International, Federal, States, and Local regulations should be consulted to determine compliance with all required reporting requirements.

The information in this MSDS was obtained from sources, which we believe are reliable HOWEVER, THE INFORMATION IS PROVIDED WIHTOUT ANY WARRANTY, EXPRESS OR IMPLIED REGARDING IT CORRECTNESS. The conditions or methods of handling, storage use and disposal of the product are beyond our control and may be beyond our knowledge. FOR THIS AND OTHER REASONS, WE DO NOT ASSUME REPONSIBILITY AND EXPRESSLY DISCLAIM LIABILITY FOR LOSS DAMAGE OR EXPRENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HADLING, STORAGE, USE OR DISPOSAL OF THE PRODUCT. This MSDS was prepared and is to be used only for this product. If this product is used as a component in another product, this MSDS information may not be applicable.

Response #4

- 4. Near the distillation unit, one 55-gallon drum labeled "MEK Recycle Residue" as observed...the drum contained still bottoms.
- a. The still bottoms were determined to be non-hazardous.
- b. The non-hazardous waste determination was made in 2007 when the unit was started. It was verified in March 2008 through outside laboratory reports.
- c. The still bottoms were determined to be non-hazardous.
- d. The non-hazardous waste determination made in 2007 was based on knowledge of the process. The still bottoms were allowed to dry before disposal.

For the outside lab report, a representative sample of the dried still bottoms was taken. The lab report is in attachment 4a.

- e. The dried still bottoms have been disposed in the municipal trash. The still bottoms which are not dry are in the Pulaski facility drying.
- f. The dried still bottoms have been disposed in the municipal trash.
- g. There are no manifests for the disposed still bottoms.

ATTACH MENT 4A

MARYLAND SPECTRAL SERVICES, INC. 1500 Caton Center Drive Baltimore, MD 21227

VOLATILE ORGANICS BY EPA GC/MS METHOD 8260

CLIENT SAMPLE ID:		MEK-RESIDUE-D	TCLP BLANK	VBLK0314D1	TCLP LIMITS
	ESTRN PLATING	ESTRN PLATING			
LAB SAMPLE ID:	08031243	08031243	0313ZHE	METHOD BLANK	
SAMPLE DATE:	03/11/08	03/11/08			
RECEIVED DATE:	03/12/08	03/12/08			
ANALYSIS DATE:	03/14/08	03/14/08	03/14/08	03/14/08	
FILE NAME:	031243DR	03124 3 D	0313ZHE	0314VBLKD1	
INSTRUMENT ID:	MSD	MSD	MSD	MSD	
MATRIX:	WATER	WATER	WATER	WATER	
UNITS:	ug/L	· ug/L	ug/L	ug/L	ug/L
DILUTION FACTOR:	25	2000	5.0	1.0	
VOLATILE COMPOUNDS					
Benzene	125 U	10000 ປ	25 ປ	5.0 u	500
2-Butanone (MEK)	123 G	110000	50 U	10 U	200000
Carbon Tetrachloride	125 U	10000 U	25 U	5.0 U	500
Chlorobenzene	125 U	10000 U	25 U	5.0 U	100000
Chloroform	125 U	10000 U	25 U	5.0 U	6000
1,4-Dichlorobenzene	125 U	10000 U	25 U	5.0 U	7500
1,4 Dicitor operation	125 0	10000 0	20	3.0 0	7300
1,2-Dichloroethane	125 U	10000 ປ	25 U	5.0 U	500
1,1-Dichloroethene	125 U	10000 U	25 U	5.0 ປ	700
Tetrachloroethene	125 U	10000 U	25 U	5.0 U	700
Trichloroethene	125 U	10000 U	25 U	5.0 U	500
Vinyl Chloride	125 U	10000 U	25 U	5.0 U	200

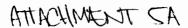
E - MEK level exceeded the demonstrated linear range when analyzed at a \times 25 dilution. B - Detected in lab blank U - Below reported quantitation level J - Estimated value ug/L = Microgram per liter (parts per billion)

Response # 5

- 5. During the December 2007 inspection of our Pulaski facility, inspectors noted two 55-gallon drums which contained "crust" which had been skimmed from the black oxide tank. This crust is a byproduct of the tank, which as explained by our representative, must be removed from the tank as it accumulates, to prevent smudging or other undesirable results on parts which are treated in this tank. This crust is then stored in the drums until it is used in the waste treatment system.
- a. For black oxide MSDS, please see attached (attachment no. 5a).
- b. The black oxide bath utilized in our Pulaski facility consists of 70% sodium hydroxide and 15% sodium nitrate. This mixture must be heated to the appropriate range for use (250-260 degrees Fahrenheit) to achieve the desired results. The crust forms when the bath cools to room temperature.
- c. The black oxide process is used to blacken steel by forming a black oxidation on the surface. The material stored in these containers is crust which is formed as the black oxide mixture cools to room temperature after use of the tank. As noted in response b., this crust occurs as the hydrogen within the mixture evaporates at the elevated temperature, leaving a condensed crust of concentrated sodium.
- d. As explained by our facility representative at the time, the two 55-gallon drums in question are used exclusively for storage of crust generated by the black oxide tank after use. These drums are actively maintained by tank operators who are aware of the contents. Attachment 5b contains the lab report with the results of analytical analysis of the crust.
- e. We have no logs of the start date. We estimate the drums have be accumulating crust for 2 years.
- f. No MSDS exists for the sodium hydroxide crust stored in the drums in question. Attachment 5a contains the MSDS for the black oxide.
- g. The byproducts stored in these drums is not waste. After accumulation, it is dissolved in our facility and used in our waste water treatment system.
- h. As noted, these materials are not hazardous waste.
- i. The contents are not hazardous.
- j. The crust was determined based on our knowledge of the process since there are no RCRA materials in the black oxide to be non-hazardous when the process line was installed. This determination was verified in exhibit 5a & 5b.
- k. The black oxide byproduct generated has not been shipped off-site.
- 1. These materials were not shipped off-site.

m. The contents of these drums are not shipped off-site.

Response # 5





Black Magic® SS-C

Hubbard-Hall Incorporated 563 South Leonard Street Waterbury, CT 06708 USA Phone: 1-800-331-6871 Emergency: 1-800-424-9300

MATERIAL SAFETY DATA SHEET

SECTION I - PRODUCT IDENTIFICATION

TRADE NAME: Black Magic® SS-C

-HMIS-

CHEMICAL NAME: Sodium Hydroxide CHEMICAL FAMILY: Inorganic Alkali

REACTIVITY HEALTH FIRE

SECTION II - HAZARDOUS INGREDIENTS

SODIUM HYDROXIDE (APPROX) 70%, CAS 1310-73-2, TLV=2 MG/M3, REGULATED UNDER CWA/311, NIOSH CRITERIA DOCUMENTS, CERCLA, OSHA AIR CONTAMINANTS, ACGIH TLV CHEMICALS, DOT HAZARDOUS MATERIALS, DOT HAZARDOUS SUBSTANCES OTHER THAN RADIONUCLIDES; AND RADIONUCLIDES, CANADIAN IDL 1% CONC., MA SUBSTANCE LIST, NJ RIGHT TO KNOW HAZ SUBSTANCE LIST S, PA HAZARDOUS SUBSTANCE LIST E.

SODIUM NITRATE (APPROX) 15%, CAS 7631-99-4, REGULATED UNDER DOT HAZARDOUS MATERIALS. CANADIAN IDL 1% CONC., MA SUBSTANCE LIST, NJ RIGHT TO KNOW HAZ SUBSTANCE LIST, PA HAZARDOUS SUBSTANCE LIST.

NO OTHER INGREDIENTS IN THIS MIXTURE ARE CONSIDERED TO BE HAZARDOUS ACCORDING TO ANY STATE OR FEDERAL REGULATIONS.

SECTION III - PHYSICAL DATA

BOILING POINT: N/A

VAPOR DENSITY (AIR =1): N/A

MELTING POINT: approx. 900°F.

EVAPORATION RATE (ETHER =1): N/A

SPECIFIC GRAVITY: N/A

SOLUBILITY IN WATER: Very soluble APPEARANCE AND ODOR: White granular mixture

VAPOR PRESSURE: N/A PERCENTAGE OF VOLATILITY BY VOLUME: N/A

PH 10% BY WEIGHT AQUEOUS SOLUTION: 12+

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT (F): Not combustible

AUTOIGNITION TEMPERATURE: Non flammable

FLAMMABLE LIMITS IN AIR % BY VOLUME: UPPER: N/A

LOWER: N/A

EXTINGUISHING MEDIA: This product is not combustible. Water spray, foam, carbon dioxide, or dry chemical may be used in areas where this product is stored.

SPECIAL FIRE FIGHTING MEDIA: Wear full protective clothing. Avoid direct contact of this product with water as this

can cause violent exothermic reaction. UNUSUAL FIRE AND EXPLOSION HAZARDS: See Section VI - Reactivity

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE (TLV): Unknown for mixture - See Section II EFFECTS OF OVEREXPOSURE:

> ACUTE: Corrosive to all body tissues which it comes in contact. The effect of local dermal exposure may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis. Similarly, inhalation of dust, spray, or mist may result in varying degrees of irritation or damage to the respiratory tract tissues and an increased susceptibility to respiratory illness.

CHRONIC: No known chronic effects.

HUMAN DERMAL EXPOSURE: Regardless of concentration, the severity of damage and extent of its irreversibility increases with length of contact time. Prolonged contact with even dilute sodium hydroxide solution can cause a high degree of tissue destruction. The latent period, following skin contact during which no sensation of irritation occurs, varies from several hours for 0.4 – 4% solutions to 3 minutes with 25-50% solutions.

Black Magic® SS-C Product Code: 2232004 Revised: July 19, 2007 Page 1 of 3

ROUTES OF ENTRY AND EMERGENCY FIRST AID PROCEDURES:

Object is to flush material out immediately then seek medical attention. Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within several seconds is essential to achieve maximum effectiveness. Seek medical attention immediately.

SKIN: Immediately wash contaminated areas with plenty of water for at least 15 minutes. Remove contaminated clothing and footwear and wash clothing before reuse. Discard footwear which cannot be decontaminated. Seek medical attention immediately.

INHALATION: Remove to fresh air; if breathing is difficult, have trained person administer oxygen. If respiration stops, give mouth-to-mouth resuscitation. Get medical attention.

INGESTION: Never give anything by mouth to an unconscious person. If swallowed, do not induce vomiting. Give large quantities of water. If available, give several glasses of milk. If vomiting occurs spontaneously, keep airway clear. Seek medical attention immediately.

ROUTES OF EXPOSURE:

INHALATION: Airborne concentrations of dust, mist or spray of this product may cause damage to the upper respiratory tract and the lung tissue which could product chemical pneumonia depending upon severity of exposure.

SKIN: This product is destructive to tissues contacted and produces severe burns. A latent period may exist between exposure and sense of irritation.

EYE CONTACT: This product is destructive to eye tissues on contact. Will cause severe burns that result in damage to the eyes and even blindness.

INGESTION: This product, if swallowed, can cause severe burns and complete tissue perforation of mucous membranes of the mouth, throat, esophagus, and stomach.

SECTION VI - REACTIVITY DATA

INSTABILITY: Under normal conditions of use, this material is stable.

INCOMPATIBILITY: Avoid contact with water. This product may be added slowly to water or acids with dilution and constant stirring to avoid a violent exothermic reaction. When handling this product, avoid contact with aluminum, tin, zinc, and alloys containing these metals. Do not mix with strong acids without dilution and agitation to prevent violent or explosive reaction. Avoid contact with leather, wool, acids, organic halogen compounds, and organic nitro compounds.

DECOMPOSITION: Aqueous solutions may liberate hydrogen upon reaction with metals listed above. Contact with organic halogen compounds will liberate chlorine.

POLYMERIZATION: Not known to polymerize.

CONDITIONS TO AVOID: Contact with incompatible materials listed above.

SECTION VII - SPILL OR LEAK PROCEDURES

SPILL, LEAK OR RELEASE: If trained in accordance to 29 CFR 1910.120, leaks should be stopped. Spills should be contained and cleaned up immediately. Liquid spills should be removed by using a vacuum truck. Solid spills should be scooped up and placed in approved containers for disposal. Neutralize remaining traces of material with any dilute mineral acid. The spill area should then be flushed with water followed by liberal covering of sodium bicarbonate. All clean-up material should be removed and placed in approved containers, labeled and stored in a safe place to await proper treatment or disposal. Spills on areas other than pavement, e.g., dirt or sand, may be handled by removing the affected soils and placing in approved containers. Persons performing clean-up work should wear adequate personal protective equipment and clothing. Spills or releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

WASTE DISPOSAL: Discharge to a disposal system. In order to be completely informed on the latest regulations for your area, please contact the local authorities.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Respiratory protection is not required under normal use. Use NIOSH/MSHA approved respirator where dust, mist, or spray may be generated.

VENTILATION: Working solution mechanical 200 CFM.

SPECIAL: N/A OTHER: N/A

PROTECTIVE GLOVES: Chemical resistant gloves should be worn and may be decontaminated by washing with mild soap and water. Natural and butyl rubber are suggested.

EYE PROTECTION: Wear chemical safety glasses plus full-face shield to protect against splashing.

OTHER PROTECTIVE EQUIPMENT: Impervious protective clothing and chemically resistant safety shoes should be worn to minimize contact. Wash contaminated clothing with soap and water and dry before reuse. Showers and eyewash facilities should be in close proximity.

Black Magic[®] SS-C Product Code: 2032004 Revised: July 19, 2007 Page 2 of 3

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Do not get in eyes, on skin, or clothing. Avoid breathing dust, mist, or spray. Do not take internally. Use with adequate ventilation and employ respiratory protection when exposure to dust, mist or spray is possible. When handling, wear chemical splash goggles, face shield, rubber gloves and protective clothing. Wash thoroughly after handling or contact – exposure can cause burns which are not immediately painful or visible. Keep container closed. Product can react violently with water, acids, and other substances – read special mixing and handling instructions below carefully before using. Product is corrosive to tin, aluminum, zinc and alloys containing these metals, and will react violently with these metals in powder form.

SPECIAL MIXING AND HANDLING INSTRUCTIONS: Product can react violently with water. Considerable heat is generated when product is mixed with water. Therefore, when making solutions always carefully follow these steps:

- Always wear all protective clothing. Never add water to product. Always add product with constant stirring slowly
 to surface of lukewarm (80-100f.) Water, to assure product is being completely dissolved as it is added.
- If product is added too rapidly or without stirring, and becomes concentrated at bottom of mixing vessel, excessive
 heat may be generated resulting in dangerous boiling and spattering and a possible immediate and violent eruption of
 highly caustic solution.

Product can react explosively with acids, aldehydes, and many other organic chemicals – when mixing product with solutions containing such chemicals, follow all of above mixing instruction, and add product very gradually, while stirring constantly.

Always empty and clean containers of all residues before adding product to avoid possible explosive reaction between product and unknown residue.

SECTION X - TRANSPORTATION REQUIREMENTS

PROPER SHIPPING NAME: CORROSIVE SOLIDS, N.O.S. (SODIUM HYDROXIDE)

HAZARD CLASS: 8 PKG. GROUP: II
ID NUMBER: UN1759 DOT GUIDE: 154

SECTION X1 – SPECIAL PRECAUTIONS

When replenishing working solutions add material very slowly and cautiously with continuous stirring. Never add this material to solutions of temperatures of 100°F. Or higher. Never add this material to any solutions other than cool water or cool solutions of the material.

When adding water to working solutions to replenish evaporative loss add very slowly and cautiously against back wall of process tank. Under no circumstances add water to working baths of operating temperature unless the bath is boiling moderately or is mechanically agitated. Any water added to working solutions should be at temperatures of 90 f. Or less.

NOTICE

WHILE THE INFORMATION AND RECOMMENDATIONS GIVEN ARE BELIEVED TO BE ACCURATE, HUBBARD-HALL INC. MAKES NO WARRANTY, EXPRESS OR IMPLIED, AND ASSUMES NO LIABILITY WITH RESPECT TO USE OF THIS INFORMATION.

Black Magic[®] SS-C Product Code: 2032004 Revised: July 19, 2007 Page 3 of 3

ATTACHMENT SB

Enviro-Chem Laboratories, Inc.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

FINAL REPORT OF ANALYSES

Eastern Plating Company 1200 South Baylis Street

Baltimore, MD 21224-

PROJECT NAME:

REPORT DATE: 26-Feb-08

LAB#- ECL015295-002

SAMPLE ID- Black Oxide Sludge

LOCATION-

DATE SAMPLED- 2/15/2008

TIME SAMPLED-TIME RECEIVED- 14:15 SAMPLER- A. Amasia

DATE RECEIVED- 2/19/2008

DELIVERED BY- A. Amasia

RECEIVED BY- SES

Page 2 of 4

ANALYSIS	METHOD	ANALYSIS DATE/TIME	ву	RESULT		DETECTION LIMIT
TCLP Extraction	EPA 1311					
Arsenic in TCLP Extract	EPA 6010	2/25/2008 10:30	СНК	< 0.050	mg/L	0.050
Barium in TCLP Extract	EPA 6010	2/25/2008 10:30	CHK	< 0.020	mg/L	0.020
Cadmium in TCLP Extract	EPA 6010	2/25/2008 10:30	CHK	< 0.005	mg/L	0.005
Chromium in TCLP Extrac	EPA 6010	2/25/2008 10:30	CHK	0.015	mg/L	0.010
Lead in TCLP Extract	EPA 6010	2/25/2008 10:30	CHK	< 0.050	mg/L	0.050
Mercury in TCLP Extract	EPA 7470	2/25/2008 14:49	CHK	< 0.001	mg/L	0.001
Selenium in TCLP Extrac	EPA 6010	2/25/2008 10:30	CHK	< 0.050	mg/L	0.050
Silver in TCLP Extract	EPA 6010	2/25/2008 10:30	CHK	< 0.010	mg/L	0.010

Response # 6

- 6. Four 55-gallon drums were observed on a pallet (attachment 1 photo 22) and two 55-gallon drums observed near the storage area (attachment photo 25).
- a. The drums contained ammonium bifluoride from our process tanks. Ammonium bifluoride is used in our process to etch aluminum. The ammonium bifluoride was transferred from the process tanks to the drums.
- b. Each of the drums contained ammonium bifluoride and water. This was determined by process knowledge and verified using our lab procedures.
- c. The material was pumped into the drums in 2006 for possible reuse. We do not have the specified date available.
- d. Attachments 6a contains the MSDS for ammonium bifluoride.
- e. The material was determined to be non-hazardous liquid.
- f. It was determined to be non-hazardous liquid at the time the drums were filled.
- g. The contents of the drums were determined to be non-hazardous liquid.
- h. The determination that the ammonium bifluoride is non-hazardous liquid was made and verified many years ago by our lab, by the MSDS and by our process which contains no hazardous materials. Attachment 6b contains the analysis report of the drums' contents.
- i. The contents were not shipped off-site.
- j. The contents were not shipped off-site.
- k. The contents were not shipped off-site.

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Material Safety Data Sheet

WEGO CHEMICAL & MINERAL CORP

239 Great Neck Road

Great Neck, NY 11021

Phone: (516) 487 3510; email: sales@wegochem.com

Date of Preparation: 7/2005

Ammonium Bifluoride

Section 1 - Chemical Product and Company Identification

Product/Chemical Name: Ammonium Bifluoride

Chemical Formula: NH4HF2 CAS Number: 1341-49-7

Other Designations: acid ammonium fluoride, ammonium acid fluoride, ammonium hydrogen bifluoride, ammonium hydrogen

difluoride, ammonium hydrogen fluoride

Derivation: Produced by reaction of ammonium hydroxide with hydrofluoric acid and subsequent crystallization.

General Use: As a chemical reagent, sterilizer for brewery, dairy, and other equipment, "sour" in laundering cloth, mordant for aluminum: in manufacture of magnesium and magnesium alloys, lab production of hydrogen fluoride, electroplating, processing beryllium, etching glass, and to acidify wells.

Emergency Telephone: 1-800-424-9300 (Chemtrec)

Section 2 - Composition / Information on Ingredients

Ingredient Name	CAS Number	EINECS/ELINCS	% wt or % vol
Ammonium Bifluoride	1341-49-7	215-676-4	100

OSHA PEL*

8-hr TWA: 2.5 mg/m³

ACGIH TLV* TWA: 2.5 mg/m³

NIOSH REL* 10-hr TWA: 2.5 mg/m³

DFG (Germany) MAK*

TWA: 2.5 mg/m³, total dust

IDLH Level*

Peak Exposure Limit:

Category II: Substances with systemic effects

500 mg/m³

12.5 mg/m³, 30 min average value, 2/shift

Half-life: 2 h to shift length

* Fluorides, as F-

Section 3 - Hazards Identification

☆☆☆☆ Emergency Overview ☆☆☆☆☆

Ammonium bifluoride exists as white, odorless crystals. It is highly toxic; locally because of its corrosive action and systemically because of its conversion to hydrogen fluoride and fluoride ion absorption. Fluoride ion is a direct cellular poison which interferes with calcium and magnesium balances. Chronic exposure can result in fluorosis (see below). It is noncombustible. Exposure to moisture forms hydrofluoric acid which is capable of etching glass, cement, and many metals.

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Potential Health Effects

Primary Entry Routes: Inhalation, skin and eye contact, ingestion.

Target Organs: Eye, skin, teeth and bones, kidneys, central nervous system (CNS).

Inhalation: May cause irritation (possibly severe) of the respiratory tract. Respiratory stimulation occurs first, followed by depressed respirations. Death may occur from respiratory paralysis.

Eve: Direct contact can cause corrosive ocular burns.

Skin: Contact is irritating and may cause an unusual, large, pustular skin rash that appears similar to ballooning of the skin. If skin is moist, formation of hydrofluoric acid can cause serious burns. These burns do not appear serious at first, but may penetrate all the way to the bone.

Ingestion: Symptoms include digestive tract irritation or corrosion, nausea and vomiting (possibly bloody), bloody diarrhea, abdominal pain, muscle weakness and spasms, dehydration, convulsions, progressive CNS depression (fatigue, coma, and respiratory arrest, even in absence of circulatory failure), cardiac arrythmias, and excessive potassium and calcium in the blood. Carcinogenicity: IARC, NTP, and OSHA do not list Ammonium Bifluoride as a carcinogen.

Medical Conditions Aggravated by Long-Term Exposure: Kidney or bone disorders.

Ammonium Bisluoride

Chronic Effects: Repeated or prolonged exposure to and absorption of the fluoride ion can cause kidney damage as well as fluorosis (brittle bones, calcified ligaments, and anemia).

Section 4 - First Aid Measures

Inhalation: Remove exposed person to fresh air and support breathing as needed.

Eye Contact: Do not allow victim to rub or keep eyes tightly shut. Gently lift eyelids and flush immediately and continuously with flooding amounts of water until transported to an emergency medical facility. Consult a physician immediately.

Skin Contact: Quickly remove contaminated clothing. Rinse with flooding amounts of water for at least 15 min. After rinsing, massage in a 2.5 % calcium gluconate gel until pain is relieved. If pain persists, calcium gluconate injections may be necessary. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious or convulsing person. Contact a poison control center. Unless the poison control center advises otherwise, have the *conscious and alert* person drink 1 to 2 glasses of water to dilute. The decision to induce vomiting is debatable. Its corrosive nature may indicate gastric lavage or binding of the fluoride ion with milk, calcium gluconate, or calcium lactate.

Other: Toxic dose is estimated at 5 to 10 mg/kg of fluoride; 30 mL of a 1 % solution in a 10 kg child = 20 mg/kg fluoride.

After first aid, get appropriate in-plant, paramedic, or community medical support.

Note to Physicians: Administration of antacids (magnesium and aluminum) is suggested. Seizures may require Diazepam but can ultimately be corrected by electrolyte stabilization. Monitor EKG, electrolytes, and vital signs. High concentrations of fluoride ion-may be present in urine after skin contact. Sucralfate may be helpful in protecting the upper GI tract from acid injury. Consult with a poison control center on current recommendations.

Special Precautions/Procedures: Emergency personnel should protect against secondary contamination.

Section 5 - Fire-Fighting Measures

Flash Point: Noncombustible

Burning Rate:

Autoignition Temperature: Noncombustible

LEL: None reported. UEL: None reported.

Flammability Classification: non-flammable

Extinguishing Media: Do not apply water to adjacent fires because possible contact with ammonium bifluoride will liberate

hydrogen fluoride gas capable of etching glass, cement, and many metals.

Unusual Fire or Explosion Hazards: None reported

Hazardous Combustion Products: Include ammonia, nitrogen oxide, and fluorine gases.

Fire-Fighting Instructions: Do not release runoff from fire control methods to sewers or waterways.

Fire-Fighting Equipment: Because fire may produce toxic thermal decomposition products, wear a self-contained breathing

apparatus (SCBA) with a full facepiece operated in pressure-demand or positive-pressure mode.

Section 6 - Accidental Release Measures

Spill /Leak Procedures: Notify safety personnel, isolate and ventilate area, deny entry, and stay upwind.

Small Spills: To avoid dust generation, carefully scoop into container or vacuum (with appropriate filter). Damp mop any residue (use a dilute solution of sodium bicarbonate to neutralize residue).

Large Spills

Containment: For large spills, flush to containment area for reclamation or disposal. Do not release into sewers or waterways. Cleanup: Neutralize with sodium bicarbonate, soda ash, slaked lime, or crushed limestone.

Regulatory Requirements: Follow applicable OSHA regulations (29 CFR 1910.120).

Section 7 - Handling and Storage

Handling Precautions: Do not use in moist/humid areas.

Storage Requirements: Store in plastic, rubber, or paraffined containers. *Do not* use metal containers because of possible corrosion and generation of flammable hydrogen gas (occurs when ammonium bifluoride is exposed to moisture and many metals). Store in a cool, dry, well-ventilated area away from incompatibles (Sec. 10). Keep containers tightly closed.

Section 8 - Exposure Controls / Personal Protection

Engineering Controls: Enclose processes wherever possible to prevent dust from entering work areas.

Ventilation: Provide general or local exhaust ventilation systems to maintain airborne concentrations below OSHA PELs (Sec. 2). Local exhaust ventilation is preferred because it prevents contaminant dispersion into the work area by controlling it at its source.

Administrative Controls: Consider pre-placement and periodic medical exams of exposed workers with emphasis on the CNS, kidneys, skin, and bones.



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Ammonium Bifluoride

Respiratory Protection: Seek professional advice prior to respirator selection and use. Follow OSHA respirator regulations (29 CFR 1910.134) and, if necessary, wear a MSHA/NIOSH-approved respirator. Select respirator based on its suitability to provide adequate worker protection for given working conditions, level of airborne contamination, and presence of sufficient oxygen. For emergency or non-routine operations (cleaning spills, reactor vessels, or storage tanks), wear an SCBA. Warning! Air-purifying respirators do not protect workers in oxygen-deficient atmospheres. If respirators are used, OSHA requires a written respiratory protection program that includes at least: medical certification, training, fit-testing, periodic environmental monitoring, maintenance, inspection, cleaning, and convenient, sanitary storage areas.

Protective Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles, per OSHA eye- and face-protection regulations (29 CFR 1910.133). Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of, or in conjunction with contact lenses.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area. Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking, smoking, using the toilet, or applying cosmetics.

Section 9 - Physical and Chemical Properties

Physical State: Solid

Appearance and Odor: White, odorless, orthorhombic

crystals. Hygroscopic if humidity is > 50%. Vapor Pressure: ?? rmm Hg at ?? °F (?? °C)

Vapor Density (Air=1): Formula Weight:

Density/Specific Gravity (H2O=1, at 4 °C): 1.5

pH (5 % solution): 3.5

Water Solubility: 41.5 wt % at 77 °F(25 °C); forms a

hydrofluoric acid solution.

Other Solubilities: 1.73 wt % in ethanol at 77 °F (25 °C)

Boiling Point: 463.1 °F (239.5 °C)

Freezing/Melting Point: 256.28 °F (124.6 °C)

Viscosity:

Refractive Index: 1.390 Surface Tension:

Section 10 - Stability and Reactivity

Stability: Ammonium Bifluoride is stable at room temperature in closed containers under normal storage and handling conditions. In presence of moisture, it will etch glass, cement, and most metals. It may generate flammable hydrogen gas if exposed to moisture and metal at the same time.

Polymerization: Hazardous polymerization cannot occur.

Chemical Incompatibilities: Include water, acids, and oxidizers.

Conditions to Avoid: Exposure to incompatibles.

Hazardous Decomposition Products: Thermal oxidative decomposition of Ammonium Bifluoride can produce fluorine, nitrogen oxide, and ammonia gases.

Section 11- Toxicological Information

Toxicity Data:

Eye Effects:

Skin Effects:

Acute Oral Effects:

Rat, oral, LD₅₀: 60 mg/kg

Chronic Effects:

Carcinogenicity:

Mutagenicity:

Teratogenicity:

Section 12 - Ecological Information

Ecotoxicity: Tinca vulgaris, TLm = 200 ppm/96 hr.

Environmental Fate:

Environmental Degradation: Ammonium bifluoride is biodegradeable and will not accumulate in the food chain.

Section 13 - Disposal Considerations

Disposal: Contact your supplier or a licensed contractor for detailed recommendations. Follow applicable Federal, state, and local regulations.

Container Cleaning and Disposal: Triple rinse containers and treat rinse water the same as other ammonium bifluoride waste.

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^{*} See NIOSH, RTECS (BQ9200000, solid); (BQ9205000, solution) for future toxicity data.

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Ammonium Bifluoride

Section 14 - Transport Information

DOT Transportation Data (49 CFR 172.101):

Packaging Authorizations

c) Bulk Packaging: 173.240

b) Non-bulk Packaging: 173.212

a) Exceptions: 173.154

Shipping Name: Ammonium Hydrogendifluoride, solid

Shipping Symbols: Hazard Class: 8 ID No.: UN1727 Packing Group: II

Label: Corrosive

Special Provisions (172.102): N34,

Quantity Limitations

a) Passenger, Aircraft, or Railcar: 15 kg

b) Cargo Aircraft Only: 50 kg

Vessel Stowage Requirements

a) Vessel Stowage: A

b) Other: 25, 26, 40

Section 15 - Regulatory Information

US FEDERAL

N34, T15

TSCA

CAS# 1341-49-7 is listed on the TSCA inventory. CAS# 7732-18-5 is listed on the TSCA inventory.

Health & Safety Reporting Llst

None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules

None of the chemicals in this product are under a Chemical Test Rule.

None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule

None of the chemicals in this material have a SNUR under TSCA.

CERCLA Hazardous Substances and corresponding ROs

CAS# 1341-49-7: 100 lb final RQ; 45.4 kg final RQ

SARA Section 302 Extremely Hazardous Substances

None of the chemicals in this product have a TPQ.

SARA Codes

CAS # 1341-49-7: acute, chronic.

Section 313

No chemicals are reportable under Section 313.

Clean Air Act:

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors. This material does not contain any Class 2 Ozone depletors.

Clean Water Act:

CAS# 1341-49-7 is listed as a Hazardous Substance under the CWA. None of the chemicals in this product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants under the CWA.

OSHA:

None of the chemicals in this product are considered highly hazardous by OSHA.

STATE

CAS# 1341-49-7 can be found on the following state right to know lists: California, New Jersey, Pennsylvania, Massachusetts. CAS# 7732-18-5 is not present on state lists from CA, PA, MN, MA, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

European/International Regulations

European Labeling in Accordance with EC Directives

Hazard Symbols:

TC

Risk Phrases:

R 25 Toxic if swallowed.

R 34 Causes burns.

Safety Phrases:

S 22 Do not breathe dust.

S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S 37 Wear suitable gloves.

S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where ossible).

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Ammonium Bisluoride

WGK (Water Danger/Protection)

CAS# 1341-49-7: 1

CAS# 7732-18-5: No information available.

Canada - DSL/NDSL

CAS# 1341-49-7 is listed on Canada's DSL List.

CAS# 7732-18-5 is listed on Canada's DSL List.

Canada - WHMIS

This product has a WHMIS classification of D1B, E.

Canadian Ingredient Disclosure List

CAS# 1341-49-7 (listed as Fluorides, inorganic) is listed on the Canadian Ingredient Disclosure List.

Section 16 - Other Information

Disclaimer: All information, recommendations and suggestions appearing herein are based upon sources believed to be reliable: However, it is the users responsibility to determine the safety, toxicity and suitability for its own use of this product. WEGO CHEMICAL & MINERAL CORP. DOES NOT ASSUME ANY LIABILITY ARISING OUT OF THE USE BY OTHERS OF THIS PRODUCT.

ATTACHMENT GB

ENVIRO-CHEM LABORATORIES, INC.



100 Lakefront Drive, Hunt Valley, Maryland 21030

(410) 785-9739

FINAL REPORT OF ANALYSES

Eastern Plating Company

1200 South Baylis Street

Baltimore, MD 21224-

Attn Mr. Michael Caster

PROJECT NAME:

REPORT DATE: 31-Jan-08

LAB#- ECL015089-011 SAMPLE ID-Ammonium Bioflouri

SAMPLE MATRIX-water

DATE SAMPLED- 1/4/2008

TIME SAMPLED-SAMPLE SITE-

SAMPLER- A. Amasia

DATE RECEIVED- 1/7/2008 TIME RECEIVED- 12:30 RECEIVED BY-CHK

Page 11 of 12

ANALYSIS	METHOD	ANALYSIS DATE	ВУ	RESULT	UNITS	DET. LIMIT
Arsenic	EPA 200.7	01/15/08	CHK	1.147	mg/L	0.300
Barium	EPA 200.7	01/15/08	CHK	< 0.200	mg/L	0.200
Cadmium	EPA 200.7	01/15/08	CHK	< 0.050	mg/L	0.050
Chromium	EPA 200.7	01/15/08	CHK	0.393	mg/L	0.100
Lead	EPA 200.7	01/15/08	CHK	< 0.50	mg/L	0.50
Mercury	EPA 245.1	01/08/08	CHK	< 0.010	mg/L	0.010
Selenium	EPA 200.7	01/15/08	CHK	< 0.500	mg/L	0.500
Silver	EPA 200.7	01/17/08	CHK	< 0.100	mg/L	0.100

Response # 7

7. Attached please find all manifests and LDR notifications retained by the Pulaski facility for the time period February 1, 2003 through receipt of this letter (attachments 7a – 7s). Please note, no off-site shipments from the Pulaski facility have taken place from 2007 – present.

Compres Front

新西州的 形

ENVIRONMENTAL ENTERPRISES, INC. RESTRICTED WASTE NOTIFICATION & CERTIFICATION

Pe Acces the Contract of the C	This shipment contains waste(s) restricted from land dispo	のは、たけんとうべつでいることの	
	neal ander 40 CER Part 268 and OAC (Tapter 1745-59. A co	Manifest Docomers No.	
	copy of this notice and all supporting analysis must	Seek Manifest No. 20 7 7 1	

INSTRUCTIONS

er ser the point of Gerbert form, NWW (Non-Waster Waster) or WW (Waster Water)

Column 3: Enter legend that Column 4: Enter A for Kent Column 5: If DOOI-DOO3 or are firms the substance on I below. register Treatment Standard. If this does not apply one Respirated Waste Notification Form (I), adolying horardoses coast ances that may be president to the waste from <u>FFT's Respirated Waste</u>

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waste (complete for F001-F005 & LX001-D043) Soil & Doints	Mining of (A-N)	Leysad (if a rv)	Group		Number
S. Reference # of hazzardhus constituents in	4. How Waste		Z. Z.	Waste Code	EE Profile

FOR ADDITIONAL PROFILES, USE ATTACHED CONTINUATION FORM. CERTIFICATION: (Preses sign) in EPA guidelle THE WAS EPA

		153	P092		X069			3	3			1009	1000	000	:				D003	•	000		Signatur
	IN SEE	VISIO	75. 7.	E693	K69A	750	F.59	×	7	0	296	2	D S	Š	DIE	ë	ž	B38	DSA	DIB	D1>		Signature March 1
HOW WASTE MUST BE MANAGED	AB (mencury) wistermies	No. Produced their content and their 200 marks that producy and are not recibile from RACERC	Phony district action pro-mainwater, regardies of their total merics y contest, that are not included a collect of the text residues from KARKO. It should not the secretary actions of the text residues from KARKO.	Non-Calenin Sulfair (High Lead)	Calciam Saliate (Low Lead)	Contains, only, 2-Pihotyechanol	- Continue unity 2-Nitropropuno	Wester that contains only one or more of that following solvenis; carbon of willful; cyclobectamore, and/or mechanol	Wisign that controls only one of more of the following solvents curbon to which cyclebe manner, and or methanol	Notificationalists: Class containing 2000 mg/kg robid processory (Low Mercury, Subcategory);	Non-verticement: High Microscopy Intergranic Sub-category)	Non-equipment Tings (Morning Chigania Saltening pay (2-260 PPM read) tentury)	Lond Apid Belleviet	Codution Contraining Betteries	TO STATE OF THE ST	Reactive Cyanida	Walie Republic	Other Reactives	Receite Subdes	legislable clauracteristic ventrs except bigh TOC ≥ 10% ignisable liquids	High TOC ignitable figures, 210% TOC	EEI PERMITTED WASTE CODES THAT HAVE SUBCATEGORIES	tolland The Clauret Don 4/23/04

A. RESTRICTED WASTE REQUIRING TREATMENT TO THE APPROPRIATE I REATMENT SYANDARD. This shipment contains restricted weste that must be trained to comply-with applicable as a meant anadack and/or poshibitions prior to land deposal. For All other trainment standards use Restricted Weste Notification Form 03.

Eswronmental Euterprises, Inc.	F001 & F002 44) Carbon Terreduction 45) Chlorobasson 81) - Orchhorobasson 81) - Terreditoride 814) Terreditoride 814) Terreditoriditoride 815) I.J. Tricklovethen 25) I.J. Tricklovethen 25) I.J. Tricklovethen 25) I.J. Tricklovethen 27) Tribliomethen 27) Tribliomethen 27) Tricklovethen 27) Tricklovethen 27) Tricklovethen 27) Tricklovethen
	1903 4) Acetore 35) as Berryk Alcohol 45) Cyciolpenancyce 721 Ethyl Acetore 122) Ethyl Reteme 124) Behyl Beteme 124) Behyl Ether 124) Methaniol 159) Methyl Isoberyt Kolona 238) Xylene
Restricted Waste Notification I t on 0	Fills 44 de 66) Chacule (m & pixunch) 64 de, de 66) Chrylib Add Mond (n.m. de pixunch) 64) o Chronis 170) Nimbamene
m) (m) 04	\$1005 25) Berusene 43) (Sarbott Dipulfide 44) Joshayl Alachal 158) Meilyl Ellyl Keine 286) Pyridiae 279) Toltane
	Fight Figh
Revised 6/01	249) Marcury (NWW Ben (cton) 259) Marcury (all others) 251) Nickel 251) Sideoirem 253) Sideoirem 254) Sinfide 255) Trailinem 257) Zins-

ATTACHMENT 7C

LAND DISPOSAL NOTIFICATION/CERTIFICATION FORM for PROCESS WASTES

Baylis Facility

Envirite of Pennsylvania, Inc.

The purpose of this document is to provide notification — and if appropriate, certification — relating to the waste referenced herein, as required by the land disposal restrictions codified at 40 CFR Part 268.

Instructions for completing this form: For <u>each</u> waste stream referenced on this form, please complete Sections 1 through 5, Section 7, and other sections as applicable. To complete Section 7, please note that only one type of notification (and/or certification) will apply to a waste stream, so please consult the following table for further instructions. Complete Section 6 only if a waste subcategory applies. Complete Section 8 only for characteristic wastes, if required by regulation. Signatures must be provided only by an authorized generator representative.

If the waste,	and/but if,	then also complete section
is F or K code waste,	and it fails LDRs,	. 9
is F or K code waste,	and it meets LDRs,	10
is D code waste,	and it fails LDRs for the hazardous characteristic & UHCs,	9
was D code waste,	and it meets LDRs for the D code, but fails for UHCs,	11
was D code waste,	and it meets LDRs for both the D code and all UHCs,	· 12

was	D code waste,	and it meets LDRs i	for both the D code and all	l UHCs,	· 12
Section 1					
Generator's	Name: Easter	n Plating Co.	General	tor's EPA #: MDD	063215453
Pick-up Add	ress: 1200 Soi	uth Baylis Street; Bal	timore, MD 21224		·
Manifest Doc	ument Numb	er: 94213	State Manifest Do	ocument Number: /	PAC294213
SECTION 2	Section 3	SECTION 4	SECTION 5	SECTION 6	Section 7
Manifest Item#	Envirite Approval #	EPA Hazardous Waste Number ("Waste Code")	Treatability Group: Wastewater (WW) or Nonwastewater (NWW)	Subcategory (if applicable)	Type of Notification/ Certification (fill in the blank)
11a	Y 3245	D002, D005, D007, D008	WW.	Corrosive - Acid	See section 8,9
					See section
					See section
					See section
SECTION 9	Total Cyani To be land dispos	e that they are identified in an de 8.0 mg/L N sed, this waste must meet appli e: MECUNC L	ickel 140 mg/L		
SECTION 10	I certify under p through knowled CFR part 268 su	enalty of law that I have per- ige of the waste to support thi bpart D. I believe that the info enalties for submitting a false of	sonally examined and am fa is certification that the waste ormation I submitted is true, a	uniliar with the waste thro complies with the treatme accurate, and complete. I a	ugh analysis and testing or nt standards specified in 40 m sware that there
	Printed Nam	e:	Signature:		Date:
SECTION 11	hazardous charac meet universal to	enalty of law that the waste has teristic. This decharacterized eatment standards. I am awar fine and imprisonment.	waste contains underlying here that there are significant p	nazardous constituents that	require further treatment to
SECTION 12	hazardous charac § 268.48 Univers	eneity of law that the waste has steristic and that underlying he sal Treatment Standards. I am auding the possibility of fine an	exardous constituents, as defi aware that there are significa	ned in § 268.2(i) have been	n treated on-site to meet the
	Printed Name:		Signature:		Date:

730 Vogelsong Road York, PA 17404 Phone: (717) 846-1900 Fax: (717) 854-6757

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ATTACHMENT FD

Confis Failing

LAND DISPOSAL NOTIFICATION/CERTIFICATION FORM for PROCESS WASTES

Envirite of Pennsylvania, Inc.

The purpose of this document is to provide notification — and if appropriate, certification — relating to the waste referenced herein, as required by the land disposal restrictions codified at 40 CFR Part 268.

Instructions for completing this form: For <u>each</u> waste stream referenced on this form, please complete Sections 1 through 5, Section 7, and other sections as applicable. To complete Section 7, please note that only one type of notification (and/or certification) will apply to a waste stream, so please consult the following table for further instructions. Complete Section 6 only if a waste subcategory applies. Complete Section 8 only for characteristic wastes, if required by regulation. Signatures must be provided only by an authorized generator representative.

If the waste.	, and/but if,	then also complete section
is F or K code	waste, and it fails LDRs,	9
is F or K code	waste, and it meets LDRs,	10
is D code was	ste, and it fails LDRs for the	hazardous characteristic & UHCs, 9
was D code v	vaste, and it meets LDRs for t	he D code, but fails for UHCs, 11
was D code v	vaste, and it meets LDRs for b	ooth the D code and all UHCs, 12

SECTION 1					
Generator's	Name: Easter	n Plating Co.	Generat	tor's EPA #: MDD	063215453
Pick-up Add	ress: 1200 So	uth Baylis Street; Bal	timore, MD 21224		DALVOSTO
Manifest Do	ument Numb	er: 44420 2781.	State Manifest Do	cument Number:	PA6 29 4428
SECTION 2	SECTION 3	SECTION 4	SECTION 5	SECTION 6	Section 7
Manifest Item#	Envirite Approval #	EPA Hazardous Waste Number ("Waste Code")	Treatability Group: Wastewater (WW) or Nonwastewater (NWW)	Subcategory (if applicable)	Type of Notification/ Certification (fill in the blank)
11a	¥ 3245	D002, D005, D007, D008	ww	Corrosive - Acid	See section 8,9
					See section
					See section
					See section
SECTION 9	Total Cyani	te that they are identified in an de 8.0 mg/L N	ickel 140 mg/L	n treatment standards in 40	CFR 268 Subpart D.
	Printed Nam	e: ·	Signature:		Date:
SECTION 10	through knowled CFR part 268 su	penalty of law that I have per dge of the waste to support thi bpart D. I believe that the info enalties for submitting a false of	s certification that the waste rmation I submitted is true, s	complies with the treatme accurate, and complete. I a	nt standards specified in 40 m aware that there
	Printed Nam	ie:	Signature:		Date:
SECTION 11	hazardous chara meet universal t	enalty of law that the waste has cteristic. This decharacterized reatment standards. I am awa fine and imprisonment.	waste contains underlying l	nazardous constituents that	require further treatment to
SECTION 12	hazardous chara § 268.43 Univer	enalty of law that the waste has eteristic and that underlying he sal Treatment Standards. I am luding the possibility of fine ar	zardous constituents, as defi aware that there are significa	ned in § 268.2(i) have been	n treated on-site to meet the
	Printed Name:		Signature:		Date:

730 Vogelsong Road York, PA 17404 Phone: (717) 846-1900 Fax: (717) 854-6757

Controlog Car

MARYLAND DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway Baltimore, Maryland 21224
(410) 631-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us
HAZARDOUS WASTE PROGRAM

HAZARDOUS WASTE MANIFEST

Form Approved. OMB No. 2050-0039.

UNIFORM HAZARDOUS WASTE MANIFEST	Generator's US EPA ID No.	Manifest Document No.		mation in the shaded areas
3. Generator's Name and Mailing Address			A. State Manifest Doc	
			MDC 098	9396
			B. State Generator's I	D
4. Generator's Phone ()			C. State Transporter's	
5. Transporter 1 Company Name		ID Number	нин ШШ Ш	<u> </u>
egymeksőper a közszárák éregkérészárásás		ID Number	D. Transporter's Phon E. State Transporter's	
7. Transporter 2 Company Name				Ď DC
Designated Facility Name and Site Address		ID Number	F. Transporter's Phone	e
			G. State Facility ID H. Facility's Phone	
deri wert. Josepha	ામના નવે સેનો	374343	III. Facility's Flictine	1 1 1 1 1 1 1 1 1
		12. Contair	ners 13.	14.
11. US DOT Description (Including Proper Shipping	Name, Hazard Class, and ID Number)	No.	Type Total Quantity	Unit Waste No.
a	Company Sp. 1 1955, g. 2015	2		
		111		
		2	800	1 fre
b. Commercial Commerci	a grand of making	â ₎ .		
The state of the s	and the same of th		06 22	116
	***************************************	1	06 22	
c.				
d.				
		1,,		
•				
J. Additional Descriptions for Materials Listed Above			K. Handling C	odes for Wastes Listed Above
Haz. Physical Specific Code State Gravity Percentag	Haz, Physical S e Code State G	pecific ravity Percent	• 1	
a.			a.LLL	
b.L. L.L. L.L.L.			В.Ш	للاللالله للاللا
15. Special Handling Instructions and Additional Info		1 1701 1	41 6033134	
				•
16. GENERATORS CERTIFICATION: I hereby dec		t are fully and accurate	alv described above by	proper shipping name and are
classified, packed, marked, and labeled, and	are in all respects in proper condition f			
government regulations, and Maryland Statutes		stume and toxicity of w	anto constraint to the	deems I have determined to be
If I am a large quantity generator, I certify that I economically practicable and that I have selec	ted the practicable method of treatment,	storage, or disposal c	urrently available to m	e which minimizes the present
and future threat to human health and the envir select the best waste management method that	is available to me and that I can afford.	erator, i nave made a (good raith effort to mini	
Printed/Typed Name	Signature			Month Day Year
the plant some	<u> </u>	17731 13	1311	-07/6-3
17. Transporter 1 Acknowledgement of Receipt of M				Date
Printed/Typed Name	Signature	J	577	Month Day
Region Hearto		· 4	1	119/16/01
 Transporter 2 Acknowledgement of Receipt of M Printed/Typed Name 	aterials Signature	At Market		Date Month Day
i inteur typeu naille	Signature			Month Day
19. Discrepancy Indication Space				
то ополораној наканоп орасе				
20. Facility Owner or Operator: Certification of receipt	of hazardous materials covered by this m	anifest except as noted	d in item 19.	V
,				Date
Printed/Typed Name	Signature	N. C. T. T. S.		Month Day
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1 3-1		17	marine from the	1/ 1 1 1 1 1 1 1

ATTACHMENT 7F

2500 Broening Highway Baltimore, Maryland 21224 (410) 631-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

UNIFORM DAZADDOG	Senerator's US EPA I	D No.	Ma Pocy	nifest ment No.	2. Pag					shaded
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5. Transporter 1 Company Name	6.	US EPA ID	Number		Н	ин 🛚			41/	рс∐
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7. Transporter 2 Company Name	8.	US EPA ID	Number		E. Sta	te Trar	nsporter's	i lD	11	11
						v н Ц	Ш	Ш	Ш_	DC
9. Designated Facility Name and Site Address	10.	US EPA ID	Number	W. St	_		er's Phon	e		
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44 US DOT Describing (Institution Process Chinains A	Ioma Morard Class	and ID Number)		12. Conta	ainers	1	13. Total		14. Unit	l.
11. US DOT Description (Including Proper Shipping N	iame, nazaro ciass, a	and iD Number)		No.	Туре		Quantity		/t/Vol	Waste
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J. Additional Descriptions for Materials Listed Above Haz Physical Specific Code State Gravity Percentage	Haz. Code	Physical Spec State Gran	cific vity	Perce	ntage	K. Ha				s Listed /
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ATTHOMPORTIFF

ENVIRONMENTAL ENTERPRISES, INC. PESTRICTED WASTE NOTIFICATION & CERTIFICATION

RESIK	ICIED WASIE NUTIFICATION & CERTIFICATION
Generator: Eastern Prating Compani	Manifest Document No: 893362 State Manifest No: MC 098936
	osal under 40 CFR Part 268 and OAC Chapter 3745-59. A copy of this notice and all supporting analysis must
be kept for three (3) years.	

INSTRUCTIONS

Column 1: List all waste codes that apply to this waste.

Column 2: Mark the appropriate treatability Group that applies to the waste at the point of Generation. NWW (Non-Waste Water) or WW (Waste Water) Wastewater is <1% total suspended solids and <1% total organic carbon.

Column 3: Enter legend if any for the subcategory that applies to this waste from the subcategory list below.

Column 4: Enter A for Restricted Waste Requiring Treatment to the Appropriate Treatment Standard. If this does not apply use Restricted Waste Notification Form 03.

Column 5: If D001-D043 or F001-F005, enter the Reference # for All underlying hazardous constituents that may be present in the waste from EEI's Restricted Waste Notification & Certificate Addendum for Underlying Hazardous Constituent Treatment Standards

EEI Profile Number	1. Waste Code	2. Treatability Group	3. Subcategory Legend (if any)	4. How Waste must be Managed (A-N)	5. Reference # of hazardous constituents in waste (complete for F001-F005 & D001-D043) Soil & Debris
X46371	D007	NWW		A	

FOR ADDITIONAL PROFILES, USE ATTACHED CONTINUATION FORM.

CERTIFICATION! (Please sign)

The inform	ation, pro	vided is true and correct and is based on analysis of a representative sample of the waste in accordance with EPA guidelines Document SW-846 EPA
60012-800	18 9/r 9/n	my thorough/knowledge/ of the waste.
Signature_	DA	uer Chiffe Title / MAN Date 1-30-03
	7	/ EEI PERMITTED WASTE CODES THAT MAVE SUBCATEGORIES
Codes	Legend:	Subcategory
D001	D1A	High TOC ignitable liquids. ≥10% TOC
	DIB	Ignitable characteristic wastes except high TOC > 10% ignitable liquids
D003	D3A	Reactive Sulfides
	D3B	Other Reactives
	D3C	Water Reactive
	D3D	Reactive Cyanide
	D3E	Explosives
D006	D6A	Cadmium Containing Batteries
D008	D8A	Lead Acid Batteries
D009	D9A	Non-wastewater High Mercury-Organic Subcategory (≥ 260 PPM total Mercury)
	D9B	Non-wastewater High Mercury-Inorganic Subcategory
	D9C	Non-wastewater that contains ≤ 260 mg/kg total mercury (Low Mercury Subcategory)
F003	F3A	Wastes that contain only one or more of the following solvents: carbon disulfide, cyclohexanone, and/or methanol
F005	F5A	Wastes that contain only one or more of the following solvents: carbon disulfide, cyclohexanone, and/or methanol
	F5B	Contains only 2-Nitropropane
	F5C	Contains only 2-Ethoxyethanol
K069	K69A	Calcium Sulfate (Low Lead)
	K69B	Non-Calcium Sulfate (High Lead)
P092	P92A	Phenyl mercuric acetate non-wastewaters, regardless of their total mercury content, that are not incinerator residues or are not residues from RMERC
	P92B	All phenyl mercury acetate wastewaters

HOW WASTE MUST BE MANAGED

A. RESTRICTED WASTE REQUIRING TREATMENT TO THE APPROPRIATE TREATMENT STANDARD

This shipment contains restricted waste that must be treated to comply with applicable treatment standards and/or prohibitions prior to land disposal. For All other treatment standards use Restricted Waste Notification Form 03.

Non-wastewaters that contain less then 260 mg/kg total mercury and are not residues from RMERC

F001-F005-Spent Solvent and Inorganic Treatment Standards:

All (mercury) wastewaters

Please see 'EEI's Restricted Waste Notification & Certificate Addendum for Underlying Hazardous Constituent Treatment Standards' for treatment standard

-	TORREST CONTRACTOR ICECC	THOSE LIGHTERMON OF CAL	THENCE INCOME TO CHA	CITY THE LINEAU WORD COMMING	TO THE SHAPE OF THE PARTY AND THE PARTY OF T	I CHILDEN STREET
	F001 & F002	F003	<u>F004</u>	F005	Inorga	nics .
	44) Carbon Tetrachloride	4) Acetone	65 & 66) Cresois	25) Benzene	239) Antimony	249) Mercury
	48) Chlorobenzene	35) n-Butyl Alcohol.	(m & p_isomers)	43) Carbon Disulfide	240) Arsenic	(NWW from retort)
	81) o-Dichlorobenzene	68) Cyclohexanone	64, 65, & 66) Cresylic	144) Isobutyl Alcohol	241) Barium	250) Mercury
1	57) Methylene Chloride	121) Ethyl Acetate	Acid Mixed (o, m,	158) Methyl Ethyl Ketone	242) Beryllium	(all others)
2	214) Tetrachloroethylene	122) Ethyl Bezene	& p isomers)	206) Pyridine	243) Cadmium	251) Nickel
2	225) 1,1,1-Trichloroethane	124) Ethyl Ether	64) o-Cresols	219) Toluene	244) Chromium	252) Selenium
2	226) 1,1,2-Trichloroethane	150) Methanol	170) Nitrobenzene		245) Cyanide (total)	253) Silver
2	233) 1,1,2-Trichloro-1,2,2-	159) Methyl Isobutyl Ke	tone		246) Cyanide (amenable)	254) Sulfide
	Trifluoroethane	238) Xylene			247) Fluoride	255) Thallium
2	227) Trichloroethylene				248) Lead	256) Vanadium
2	228) Trichloromonofluorometi	nane				257) Zinc

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U151A U151B

ACHMENT 76 MARYLAND DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway Baltimore, Maryland 21224 (410) 631-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

HAZARDOUS WASTE PROGRAM HAZARDOUS WASTE MANIFEST

1 4 12,0 Form Approved, OMB No. 2050-0039. Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Manifest 2. Page 1 Generator's US EPA ID No. **UNIFORM HAZARDOUS** Information in the shaded areas. Document No. 631-3400. Nights and Holidays at (410) 974-3551 is not required by Federal law. WASTE MANIFEST A. State Manifest Document Number 3. Generator's Name and Mailing Address 098937 MDC B. State Generator's ID C. State Transporter's ID 4. Generator's Phone () HWH III IIII 1 Company Name 6. US EPA ID Number 5. Transporter Halalat D. Transporter's Phone US EPA ID Number E. State Transporter's ID 7. Transporter 2 Company Name нwн 🔲 9. Designated Facility Name and Site Address 10. US EPA ID Number F. Transporter's Phone G. State Facility ID H. Facility's Phone the company of the content of 12. Containers 13. 14. Unit Total 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste No. Wt/Vol Quantity Therefore a region of the contract of the contract of the contract of call the National Response Center at (800) 424-8802 and the MDE at (410) G E The second of th N fra Bernelling - Call Bernelling million E R A T O R d. J. Additional Descriptions for Materials Listed Above K. Handling Codes for Wastes Listed Above Percentage Percentage а. Ш Ш с. Ш Ш Ш ь. Ш Ш ш а. Ш Ш Ш 15. Special Handling Instructions and Additional Information 32 103 16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Signature Printed/Typed Name Day Year or spill, immediately 17. Transporter 1 Acknowledgement of Receipt of Materials Date Month Day Printed/Typed Name Signaturé - 00000 ho AT 1.1 Date 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day an emergency 19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Signature

Date Month Day

Printed/Typed Name

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ATTACHMENT 74

MARYLAND DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway Baltimore, Maryland 21224

(410) 631-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

HAZARDOUS WASTE PROGRAM HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved, OMB No. 2050-0039. Manifest 1. Generator's US EPA ID No. 2. Page 1 **UNIFORM HAZARDOUS** and the MDE at (410) 631-3400. Nights and Holidays at (410) 974-3551 Information in the shaded areas Document No WASTE MANIFEST is not required by Federal law. 3. Generator's Name and Mailing Address A. State Manifest Document Number to Company of the MDC B. State Generator's ID 4. Generator's Phone (· · ·) C. State Transporter's ID 5. Transporter 1 Company Name 6. US EPA ID Number ulivade vije D. Transporter's Phone 7. Transporter 2 Company Name E. State Transporter's ID US EPA ID Number нwн 📗 9. Designated Facility Name and Site Address US EPA ID Number F. Transporter's Phone and the second of the G. State Facility ID H. Facility's Phone Containers 13. 14. ١. 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Unit Total No. Type Waste No Quantity Wt/Vo G Ε N Ε R A T 0 424-8802 (000) J. Additional Descriptions for Materials Listed Above K. Handling Codes for Wastes Listed Above Percentage ğ 2011100 15. Special Handling Instructions and Additional Information 177 12 1 m. - 01 and the same of th 16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name Signature Month Day Sel Se Date 17. Transporter 1 Acknowledgement of Receipt of Materials Month Day Printed/Typed Name Signature 18. Transporter 2 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Month Day 19. Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name Signature Month Day

MARYLAND DEPARTMENT OF THE ENVIRONMENT the Hazardova Waste Manifest 1800 Washington Blvd Suite 650 Baltimore Maryland 2 230-1719 (410) 537-3344 t-800-633-6101 (Within Maryland) http://www.mde.state.md.us HAZARDOUS WASTE PROGRAM State Manifest Document Number: Propri Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved OMB No. 2050-0039 Of the Fold IS HAZARDOUS WASTE MANIFEST UNIFORM HAZARDOUS ()
WASTE MANIFEST Information in the shaded areas is not required by Federal law. 3. Generator's Name and Mailing Address Eastern Plating - Rosedale nere and the before any set years not 7603. Pulaski Highway exponencial and redding in B. State Generator's ID 9/10/19 & 19/10 qans 11 Rosedale, MD 21237 C. State Transporter's ID 5. Transporter 1 Company Nair US ERA ID Nymber at La 3 CHIMINIA THE CONTROL OF STATE D. Transporter Prone and or atenuty July OTTONIONING Midwest Environmental Transport, Inc. E. State Transporter's IDe ranspor 7. Transporter prode Company Name entries to take a best on the ne arentw QS ER the cont of an emergency HWH 9.Designated Facility Name and Site Address 10. US EPA ID Number 氏:Transportera Phone # マロト A Wiff できる 当たける Environmental Enterprises the second as a section to rainest entitle admin G. State Facility IQ H. Facility's Phone yonggreens ha to mave 4650 Spring Grove Avenue Cincinnati, OH 4523 Total US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Ad Wassing De GOUAntity NO Wt/Vol 5.59 RO, Waste Methyl ethyl ketone, 3, UNI 193, PGU (D004 D035 F005) afesty aldstroot alasyr syleotidd + None Waste Toxic, liquids, organic, n.o.s.; (N-Propyl bromide, 2-Propanol), 6.1, SL - Sludge E - EP Luxic Waste UN2810, PGH C. T 0 following bandling codes for waste hoted above: 41 to on Handling Codes: Enter the R d. Hilbns_! Indiceration burning evodA bestil setaW for recogning Codes for Wastes Listed Above J. Additional Descriptions for Materials Listed Above Completed James Instruction Contained U. ed CER Part Visto Mening for boxes 12 unit Visto Men 15. Special Handling Instructions and Additional Information (2011) Special Handling Instructions (2011) Special Handling Instructions (2011) Special Handling Instructions (2011) Special Handling Instructions (2011) Special Handling Instruction (-11 a X44351 3 x55 ERG # 127 OW at Metal drums, barrels, kegs 16. GENERATORS CERTIFICATIONS. hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and 30 are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and 30 national government regulations, and Maryland Statutes of Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Signature (Vine abilit Monthic Day Printed/Typed Name Just 17, Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature 18. Transporter 2 Acknowledgement of Receipt of Materials repared drowless the waste described on the Manitest and trembands, actually received at the facility. Disposal email bequitopened value considered discrepancies and inter oe resource of this spece 19. Discrepancy Indication Space is a training a first of the state of erator or transporter from example, with releptaces, convenient the indirection of a convenient to down the property waste the pwiner of opposite site in modified thinks the "Forthers and all and t, and a copy of the manifest of some Owner or Operator, Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. hand in Annual Community and the second of t Printed/Typed Name?

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สt (410) 537-54(ป. Nights and Holidays at (866) 633-4686

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MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719 (410) 537-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

Month Day

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HAZARDOUS WASTE PROGRAM

HAZARDOUS WASTE MANIFEST Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039. 1. Generator's US EPA ID No. Manifest Document No. 2. Page 1 **UNIFORM HAZARDOUS** Information in the shaded areas **WASTE MANIFEST** is not required by Federal law. MDD981111 2185 3. Generator's Name and Mailing Address A. State Manife t Document Numbe Eastern Plating - Rosedale MDC 7803 Pulaski Highway B. State Gener Rosedale, MD 21237 4. Generator's Phone C. State Trans 5. Transporter US EPA ID Number HWH 772 Midwest Environmental Transport, inc. 00000539 D. Transporter's Phone 2 Company Name 7. Transportert 9. Designated Facility Name and Site Address US EPA ID Number F. Transporter's Phone G. State Facility ID Environmental Enterprises, Inc. H. Facility's Phone 4550 Spring Grove Avenue Cindingati OH 45232 Total 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste No. Туре Quantity Wt/Vol D001 D035 RQ, Waste Methyl ethyl ketone, 3, UN 1193, PGII (D001 D035 F005) F005 J. Additional Descriptions for Materials Listed Above passaydes (p. 15. Special Handling Instructions and Additional Information Emergency Response Coordinator: (800) 392-1503 and call 911 11 a. X44351 3 ×55 ERG # 127 16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name Month 017121012101 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Signature Month Day 00 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day 00 19. Discrepancy Indication Space C 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Date

Signature

ATTACHMENT MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719 (410) 537-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

633-4686

537-3400. Nights and Holidays at (866)

and the MDE at (410)

424-8802

call the National Response Center at (800)

PA Form 8700-22 (9/02)

E A T HAZARDOUS WASTE PROGRAM

HAZARDOUS WASTE MANIFEST Form Approved. OMB No. 2050-0039 1. Generator's US EPA ID No. Manifest Document No. **UNIFORM HAZARDOUS** Information in the shaded areas WASTE MANIFEST is not required by Federal law. MD0000136 3. Generator's Name and Mailing Address State Manifest Document Number Eastern Plating - Rosedale MDC 7803 Pulaski Highway B. State Generator's ID Baltimore, MD 21237 4. Generator's Phone (C. State Transporter's ID 5, Transporter US EPA ID Number HWH 492 00900 DC Midwest Environmental Transport, Inc. 00000539 7. Transportert 2. Company Name 9.Designated Facility Name and Site Address US EPA ID Number Transporter's Phon G. State Facility ID Environmental Enterprises, Inc. H. Facility's Phone 4850 Spring Grove Avenue Cincinnati, OH 45232 13. Total 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Quantity Wt/Vol D001 D035 RQ, Waste Methyl ethyl ketone, 3, UN1193, PGII (D001 D035 F005) P005 8550 Diupid b. ್ ಕಾಣಿ 0 d. J. Additional Descriptions for Materials Listed Above 15. Special Handling Instructions and Additional Information Emergency Response Coordinator: (800) 392-1503 and call 911 11 a. X44351 28150 16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name MNOLA 17. Transporter 1 Acknowledgement of Receipt of Materials Date Printed/Typed Name Month Day 18. Transporter 2 Acknowledgement of Receipt of Materials 2 Day Printed/Typed Name Signature Month 0 Discrepancy Indication Space 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Month Day Signature Printed/Typed Name SteveMECIElla

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MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719 (410) 537-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

HAZARDOUS WASTE PROGRAM

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) HAZARDOUS WASTE MANIFEST Form Approved. OMB No. 2050-0039.

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ATTACHMENT TO MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719 (410) 537-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

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טפטב כו מון מווניושליוט, מו איוויים שוניים ואיווים אימים ווא וואיז וואיז ווואיז יוויים שניוטומאיז שוו וואיז וואיז ווואיז יווים שניוטומאיז מון וואיז וואיז יווים שניוטומאיצ און איז וואיז וואיז שניים שניים שניים וואיז ווואיז ווואיז ווואיז וואיז וואי

PA Form 8700-22 (9/02)

HAZARDOUS WASTE PROGRAM

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MARYLAND DEPARTMENT OF THE ENVIRONMENT

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EPA Form 8700-22 (9/02)

ATTACHMENT AND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd: Suite 650 Baltimore Maryland 21230-1719 (410) 537-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

in case of an emergency or spill, immediately call the National Response Center at (800) 424-8802 and the MDE at (410) 537-3400. Nights and Holidays at (866) 633-4686.

EPA Form 8700-22 (9/02)

HAZARDOUS WASTE PROGRAM

	MDOOOO		lanifest ument No. 868		is not re	quired by	shaded areas Federal law.
enerator's Name and Mailing Address	Eastern Plating - Ros 7803 Pulaski Highway Baltimore, MD 21237	k a Kulong ing Pe	56-10-01 56-10-01	MD B. Stat	Generator's ID	868	8 Teamore
ransporter 1 Company Name	Charles Company of 6.4 cm	US EPA ID Num	ber	WH	Transporter's ID	414	Cape T ods
Midwest Environmental Trans ransportert 2 Company Name	Sport, Inc.	HOOOO US EPA ID Num		E. Stat	sporter's Phone o Transporter's IC or Lvarispierr	Philane	
esignated Facility Name and Site Address	1.77	US EPA ID Num	ber		sporter's Rhone e Facility ID	"rit at	Hilling aints
Environmental Enterprises, Ir 4650 Spring Grove Avenue Cincinnati, OH 45232	Lo	HD08337	9 92699 7 0 1	H. Faci	lity's Phone	13 500 1901971 1 1 6	ent e entros e ns to insec 1 2 3
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RQ, Waste Methyl ethyl ketone	, 3, UN1193, PGII (D001	D035 F005)		3 DM	1/4		D001 D036
Waste Toxic, liquids, organic, r UN2810, PGII	1.o.s., (N-Propyl bromide,	, 2-Propanol), 6.1,		DA		5 G-	96506 - 7.
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Physical Specific Security Process of Consulty	ercentage	Typical Specific State Gravity	Perce Prince Int EPA L	19191	Waste Man		H unclint
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ATTACHMENT PP

מוס אום אום (1919) 537-3400. Nights and Holidays at (866) 633-4686.

MARYLAND DEPARTMENT OF THE ENVIRONMENT

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1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719 (410) 537-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

HAZARDOUS WASTE PROGRAM
HAZARDOUS WASTE MANIFEST FO

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B. Generator's Name and Mailing Address	Eastern Plating - Rosed	ale	: 744.2 7 /1.	MDO		825	ber 15 150 m. 7
	7803 Pulaski Highway		100	B. State	Generator's I	Phone	ansporterts
. Generator's Phone () 875 5902	Baltimore, MD 21237	US EPA ID Numb	era je alij	C. State	Transporter's	10 1414	neigenby atrili sa so
Midwest Environmental Tran	sport, inc.	1000000	053		sporter's Phone	e ent to	L Numbers
. Transportert 2 Company Name	8. T. y.,	US EPA ID Numb	er	E. State	Transporter's		13)772-1145 1 DC
Designated Facility Name and Site Address	10.	US EPA ID Numb	er		porter's Phone		Vidilo elli vite
Environmental Enterprises, I	nc.			G. Stat	Facility ID		¥ =
4650 Spring Grove Avenue				H. Facil	ity's Phone		vary z yana a malia nya
Cincinnati, OH 45232	<u> </u>	1008337			513 5	41	1823
11. US DOT Description (Including Proper Sh	ipping Name, Hazard Class, and ID	Number)	12. Contai No.	Type	13. Total Quantity	14. Unit Wt/Vol	Waste No.
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17. Transporter 1 Acknowledgement of Rece			76	01	(Lease)	Date
Printed/Typed Name	_	Signature			/ 31	Month Day
18. Transporter 2 Acknowledgement of Rece	ipt of Materials		as male see a see	li to avitak	1662 a Kilo Lib	STHORING Date
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ATTACHMENT

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Blvd. Suite 650 Baltimore Maryland 21230-1719 (410) 537-3344 1-800-633-6101 (within Maryland) http://www.mde.state.md.us

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HAZARDOUS WASTE PROGRAM

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1. Generator's US FPA ID No. Manifest Document No. UNIFORM HAZARDOUS 633-4686 Information in the shaded areas **WASTE MANIFEST** is not required by Federal law. 08299 MD0000133. Generator's Name and Mailing Address State Manifest Document Number Eastern Plating - Rosedale 537-3400. Nights and Holidays at (866) 7803 Pulaski Highway B. State Generator's ID Baltimore, MD 21237 4. Generator's Phone (C. State Transporter's ID 5. Transporter US EPA ID Numbe 1. Company Name D. Transporter's Phone 0000006 Midwest Environmental Transport, Inc. US EPA ID Numbe 7. Transportert 2 Company Name State Transporter's ID HWH: 9.Designated Facility Name and Site Address US EPA ID Number 10. F. Transporter's Phone G. State Facility ID Environmental Enterprises, Inc. H. Facility's Phone 4650 Spring Grove Avenue Cincinnati, OH 45232 14 Total 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) Waste No. No. Туре Quantity Wt/Vo a. D001 D03 call the National Response Center at (800) 424-8802 and the MDE at (410) RQ, Waste Methyl ethyl ketone, 3, UN1183, PGII (D001 D035 Foo5) F005 E b. N E R Ā 0 Handling Or R d. 8 K. Handling Codes for Wastes Listed Above J. Additional Description for Materials Listed Above use or recycling 15. Special Handling Instructions and Additional Information Emergency Response Coordinator: (800) 392-1503 and call 911 x55 ERG # 127 11 a. X443517 16. GENERATORS CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Maryland Statutes or Regulation. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Printed/Typed Name Month Signature immediately Date TRANSPORTER 17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Signature Month Day 18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name Signature \mathbf{r} ់ ဖ emergency 19. Discrepancy Indication Space FACI 띪 20, Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. ਰੱ Date Month Day inted/Typed Name Signature

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\parallel	5. Ge	5. Generator's Site Address (if different than mailing address) 7803 Pulacki Highway									
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	Generator's Phone: 6. Transporter 1 Company Name U.S. EPA ID Number OH000000539										
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\parallel	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard and Packing Group (if any))			10. Contain	Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Co		
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	14. Special Hearting Instructions and Additional Europerations 127 EET V					No. of Co.	Emerg		sponse Coo		
							(800)	382-15	103 and conta	ict 911	
\parallel	15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary										
	Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
		erator's/Offeror's Printed/Typed Name	<u> </u>	Signature		12/	2 4	//	Month Da	Year	
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DESIGNATED FACILITY	19. Ha	azardous Waste Report Management Method Codes (i.e., codes for ha	zardous waste treatme	nt, disposal, and re	cycling systems)	114.	4.				
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		esignated Facility Owner or Operator: Certification of receipt of hazard	ous materials covered b	y the manifest exce Signature	ept as noted in Item	n 18a		17	Month Da	y Year	
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